

Water-Data Report 2008

402350073583901 Local number 250771 Sandy Hook 2 Obs NJ Permit Number 29-36217

Northern Atlantic Coastal Plain aquifer system
Englishtown Formation
Monmouth County, NJ

LOCATION.--Lat 40°23'50", long 73°58'39" referenced to North American Datum of 1927, Sea Bright Borough, Monmouth County, NJ, Hydrologic Unit 02030104, near the main entrance of Sandy Hook National Park.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 278 ft. Upper casing diameter 4 in; top of first opening 258 ft, bottom of last opening 278 ft. Drilled artesian well.

DATUM.--Land-surface datum is 8.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.4 ft above land-surface datum, July 29, 1997, to present.

PERIOD OF RECORD.--July 1997 to current year.

GAGE.--Submersible logger pressure transducer--60 minute recording interval.

REMARKS.--Water-level affected by tidal fluctuation.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.34 ft below land surface, Apr. 16, 2007; lowest, 10.97 ft below land surface, Oct. 17, 2005.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.07	8.75	9.18	---	---	7.99	8.12	7.79	7.76	8.14	---	9.24
2	9.01	8.51	8.54	---	---	8.49	8.52	7.62	7.82	8.27	---	9.13
3	8.99	7.59	8.44	---	---	8.18	8.48	7.30	7.87	8.37	---	8.93
4	9.03	8.50	9.10	---	---	8.00	7.98	7.46	7.77	8.43	---	9.12
5	9.10	8.50	8.55	---	---	7.72	7.78	7.75	7.88	8.30	---	9.25
6	9.09	8.38	8.39	---	7.59	7.96	7.54	7.79	7.96	8.35	---	8.90
7	8.86	8.75	8.51	---	7.52	7.66	7.31	7.80	8.01	8.39	---	9.36
8	8.77	8.54	8.66	---	7.49	7.43	7.53	7.80	8.01	8.40	---	9.34
9	8.47	8.38	8.65	---	7.63	9.06	7.81	7.49	7.93	8.37	---	9.17
10	8.29	8.06	8.34	---	7.96	8.65	7.85	7.29	7.92	8.40	---	9.16
11	8.13	8.13	8.34	---	9.12	8.15	7.72	7.18	8.04	8.39	---	9.21
12	8.55	8.54	8.59	---	8.68	7.91	7.46	6.28	8.24	8.41	---	9.12
13	8.80	8.44	8.24	---	7.64	7.92	7.53	6.91	8.32	8.34	---	9.02
14	9.00	8.30	8.14	---	7.94	7.63	7.69	7.35	8.13	8.44	---	8.79
15	9.01	8.23	---	---	8.24	7.29	7.88	7.39	7.90	8.55	---	8.96
16	9.01	8.81	---	---	8.26	7.12	7.93	7.28	7.85	8.62	---	9.03
17	8.90	8.93	---	---	7.90	7.73	7.76	7.31	7.89	8.65	---	8.95
18	8.76	8.61	---	---	7.63	7.35	7.62	7.35	7.93	8.74	---	8.95
19	8.49	8.27	---	---	8.20	6.95	7.71	7.67	7.98	8.91	---	8.65
20	8.65	8.25	---	---	8.50	7.29	7.61	7.66	8.11	8.83	---	8.78
21	9.06	8.10	---	---	8.35	8.48	7.66	7.54	8.20	8.68	---	8.95
22	9.00	7.94	---	---	7.90	8.31	7.88	7.68	8.19	8.62	---	8.89
23	8.72	8.40	---	---	7.72	8.11	7.94	7.90	8.14	8.64	---	8.71
24	8.81	8.50	---	---	7.90	8.12	8.00	7.82	8.28	8.82	---	8.68
25	8.41	8.60	---	---	8.01	7.95	7.91	7.90	8.47	---	---	8.31
26	8.28	8.37	---	---	7.63	8.09	7.61	7.95	8.31	---	---	8.18
27	8.42	8.70	---	---	7.69	8.06	7.63	8.06	8.17	---	---	8.52
28	8.93	8.96	---	---	8.36	7.80	7.37	8.08	8.09	---	8.94	8.45
29	8.88	8.55	---	---	8.17	8.13	7.49	7.98	8.03	---	8.85	8.53
30	8.95	8.79	---	---	---	8.30	7.74	7.89	8.07	---	8.98	8.49
31	8.81	---	---	---	---	8.13	---	7.65	---	---	9.15	---
Mean	8.78	8.45	---	---	---	7.93	7.77	7.58	8.04	---	---	8.89
Max	9.10	8.96	---	---	---	9.06	8.52	8.08	8.47	---	---	9.36
Min	8.13	7.59	---	---	---	6.95	7.31	6.28	7.76	---	---	8.18

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